

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasol

Revision date: 28.08.2019

Page 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Gasol

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Product Categories [PC]: PC 13 Fuels.

1.3. Details of the supplier of the safety data sheet

Company name: NWB Nord- und Westdeutsche Bunker GmbH
Street: Billwerder Ring 21
Place: D-21035 Hamburg
Telephone: +49 (0) 40 - 370049599
e-mail: MSDS@nwb-bunker.de
Internet: www.nwb-bunker.de

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Acute toxicity: Acute Tox. 4

Aspiration hazard: Asp. Tox. 1

Skin corrosion/irritation: Skin Irrit. 2

Carcinogenicity: Carc. 2

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Flammable liquid and vapour.

Harmful if inhaled.

May be fatal if swallowed and enters airways.

Causes skin irritation.

Suspected of causing cancer.

May cause damage to organs through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects.

2.2. Label elements

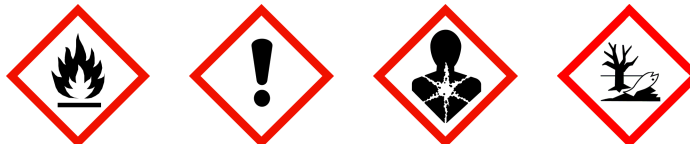
Regulation (EC) No. 1272/2008

Hazard components for labelling

Fuel oil, No 2, Gasoil - unspecified

Signal word: Danger

Pictograms:



Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H332 Harmful if inhaled.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasoel

Revision date: 28.08.2019

Page 2 of 10

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331 Do NOT induce vomiting.
 P405 Store locked up.
 P501 Dispose of contents/container to hazardous or special waste collection point.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Contains: Hydrocarbons (C10 - C28), Additive.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
68476-30-2	Fuel oil, No 2, Gasoil - unspecified			100 %
	270-671-4		01-2119475501-42	
	Flam. Liq. 3, Carc. 2, Acute Tox. 4, Skin Irrit. 2, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 2; H226 H351 H332 H315 H373 H304 H411			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection!

Move victim out of danger zone.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If victim is at risk of losing consciousness, position and transport on their side.

In case of irregular breathing or respiratory arrest provide artificial respiration. Where appropriate artificial ventilation. Call a physician immediately.

After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. After cleaning apply high-fat content skin care cream.

In case of skin irritation, seek medical treatment.

After contact with eyes

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

In case of troubles or persistent symptoms, consult an ophthalmologist.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasool

Revision date: 28.08.2019

Page 3 of 10

After ingestion

Provide fresh air. Rinse mouth immediately and drink plenty of water.
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Headache, Drowsiness, Dizziness, Inebriation, Dyspnoea, Impaired consciousness, Vomiting.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Harmful if inhaled.
May cause damage to organs through prolonged or repeated exposure.
In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed

Warning after ingestion: Caution if victim vomits: Risk of aspiration! Subsequent observance for pneumonia and lung oedema.
First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing powder, Foam, Carbon dioxide (CO₂), Water fog.
Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Vapours can form explosive mixtures with air.
In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.
In case of fire: Wear self-contained breathing apparatus.

Additional information

Move undamaged containers from immediate hazard area if it can be done safely.
Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove persons to safety. Do not breathe vapour/aerosol. Provide adequate ventilation.
In case of leakage, eliminate all ignition sources. Use non-sparking tools.
Avoid contact with skin, eyes and clothes. Wear personal protection equipment.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.
Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Prevent spread over a wide area (e.g. by containment or oil barriers).
Remove from the water surface (e.g. skimming, sucking).
High slip hazard because of leaking or spilled product.
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Personal protection equipment: refer to chapter 8.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasool

Revision date: 28.08.2019

Page 4 of 10

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Do not breathe vapour/aerosol. Provide adequate ventilation as well as local exhaustion at critical locations.
Avoid contact with skin and eyes. Take off immediately all contaminated clothing. For industrial purposes only.

Advice on protection against fire and explosion

Flammable liquid and vapour.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Vapours are heavier than air and will spread at floor level. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

Further information on handling

Ground and bond container and receiving equipment.
Use non-sparking tools.
Take precautionary measures against static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in a place accessible by authorized persons only.
Only use containers specifically approved for the substance/product.
Keep container tightly closed in a cool, well-ventilated place.
Always close containers tightly after the removal of product.
Recommended storage temperature: 5 - 30 °C.

Hints on joint storage

Do not store together with: Oxidising agent,
Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Protect against: Heat, Light, Frost, moisture. Protect against direct sunlight.

7.3. Specific end use(s)

Fuels.
Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaustion at critical locations.
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace.
Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Take off contaminated clothing and wash it before reuse.
Protect skin by using skin protective cream.
Wash hands before breaks and after work.
After cleaning apply high-fat content skin care cream.
Do not put any product-impregnated cleaning rags into your trouser pockets.
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Eye/face protection

Suitable eye protection: Tightly sealed safety glasses. (DIN EN 166)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasool

Revision date: 28.08.2019

Page 5 of 10

Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 420, EN ISO 374.

Suitable material: NBR (Nitrile rubber), FKM (fluoro rubber).

Unsuitable material: Textile material.

Required properties: liquid-tight.

penetration time (maximum wearing period): > 480 min.

Thickness of glove material: 0,4 mm

Before using check leak tightness / impermeability.

Skin protection

Handling larger quantities: Wear suitable protective clothing.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist generation.

Suitable respiratory protective equipment: A gas filtering equipment (EN 141). AP Combination filter device (DIN EN 141)..

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	light brown
Odour:	characteristic

pH-Value:	not applicable	Test method
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Changes in the physical state

Melting point:	No data available.
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Initial boiling point and boiling range:	approx. 160 - 400 °C
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Flash point:	> 60 °C ASTM D 93
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Explosive properties

In use may form flammable/explosive vapour-air mixture.

Lower explosion limits:	approx. 0,6 vol. %
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Upper explosion limits:	approx. 6,5 vol. %
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Ignition temperature:	220 °C ASTM E 659-78
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Oxidizing properties

No data available.

Vapour pressure: (at 38 °C)	550 - 650 hPa
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Density (at 15 °C):	0,86 g/cm ³
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Partition coefficient:	Log KOC > 3
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Viscosity / kinematic: (at 40 °C)	approx. 2,0 - 4,5 mm ² /s
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Vapour density:	> 3
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9.2. Other information

none

SECTION 10: Stability and reactivity

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasöel

Revision date: 28.08.2019

Page 6 of 10

10.1. Reactivity

Flammable liquid and vapour.
No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

In use may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Strong acid, Strong alkali, Oxidising agent, strong.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.
In case of fire may be liberated: Carbon dioxide (CO₂), Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

Harmful if inhaled.

ATEmix calculated

ATE (inhalation vapour) 11,00 mg/l; ATE (inhalation aerosol) 1,500 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68476-30-2	Fuel oil, No 2, Gasöel - unspecified				
	oral	LD50 > 2000 mg/kg	Rat		OECD 401
	dermal	LD50 > 5000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 4100 mg/l	Rat		OECD 403
	inhalation aerosol	ATE 1,5 mg/l			

Irritation and corrosivity

Irritant effect on the skin: Causes skin irritation.
Irritant effect on the eye: slightly irritant but not relevant for classification.

Sensitising effects

Respiratory or skin sensitisation: not sensitising. No known symptoms to date.

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing cancer. (Fuels, diesel, Gasöel - unspecified)

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (Fuels, diesel, Gasöel - unspecified)

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasöel

Revision date: 28.08.2019

Page 7 of 10

12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria).

12.3. Bioaccumulative potential

Log KOC > 3.

On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment cannot be ruled out.

12.4. Mobility in soil

Physical state at 20 °C and 101.3 kPa: liquid.

If product enters soil, it will be mobile and may contaminate groundwater

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

12.5. Results of PBT and vPvB assessment

PBT: not applicable.

vPvB: not applicable.

12.6. Other adverse effects

No information available.

Further information

Discharge into the environment must be avoided.

Do not allow to enter into surface water or drains.

Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains.

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Dispose of waste according to applicable legislation.

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

The waste key according to the European Waste Catalogue (EWC number) refers to the real wastes origin and therefore is not product- but use-oriented.

Consult the local waste disposal expert about waste disposal.

Waste disposal number of waste from residues/unused products

130701 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); wastes of liquid fuels; fuel oil and diesel; hazardous waste

Waste disposal number of used product

130701 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); wastes of liquid fuels; fuel oil and diesel; hazardous waste

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 1202

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasool

Revision date: 28.08.2019

Page 8 of 10

14.2. UN proper shipping name: GAS OIL
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Special Provisions: 640L ADR664
 Limited quantity: 5 L
 Excepted quantity: E1
 Transport category: 3
 Hazard No: 30
 Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number: UN 1202
14.2. UN proper shipping name: GAS OIL
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Classification code: F1
 Special Provisions: 640L
 Limited quantity: 5 L
 Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 1202
14.2. UN proper shipping name: GAS OIL
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3



Special Provisions: -
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1202
14.2. UN proper shipping name: GAS OIL
14.3. Transport hazard class(es): 3
14.4. Packing group: III
 Hazard label: 3

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasool

Revision date: 28.08.2019

Page 9 of 10



Special Provisions:	A3	
Limited quantity Passenger:	10 L	
Passenger LQ:	Y344	
Excepted quantity:	E1	
IATA-packing instructions - Passenger:		355
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		366
IATA-max. quantity - Cargo:		220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: GAS OIL

14.6. Special precautions for user

Handling (Transport information): See protective measures under point 7 and 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

MARPOL Anlage I.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Additional information

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 2 - clearly water contaminating

Additional information

Restricted to professional users.

The receiver of our product is singularly responsible for adhering to existing laws and regulations. Observe in addition any national regulations!

15.2. Chemical safety assessment

For this mixture a chemical safety assessment has been carried out.

SECTION 16: Other information

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Gasoel

Revision date: 28.08.2019

Page 10 of 10

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Acute Tox. 4; H332	Calculation method
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
Carc. 2; H351	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)